

Digital Wireless Backup Camera Kit

English

User Manual

Introduce

Thank you very much for choosing our premium vehicle assist digital wireless backup camera kit .

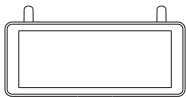
Before installing the product, we kindly ask you to read all installation instructions carefully, as failure to follow the prescribed installation steps will void the product warranty.

Please note that the installation guide we provide is a reference designed specifically for installing a backup camera kit and may not be applicable to all vehicle models. If you have any questions or require additional assistance, please contact us through the Customer Support section of our website at www.auto-vox.com or contact our Customer Service team by emailing service@auto-vox.com.

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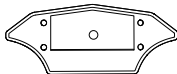
Components



Monitor



Wireless Camera



Camera Silicone Pad



Monitor Stand



Antenna



Car Charger



Extension Cord



Screwdriver



Self-Tapping Screws

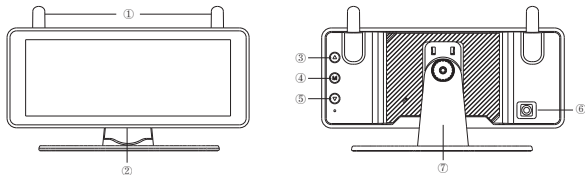


Manual

Product Parameters

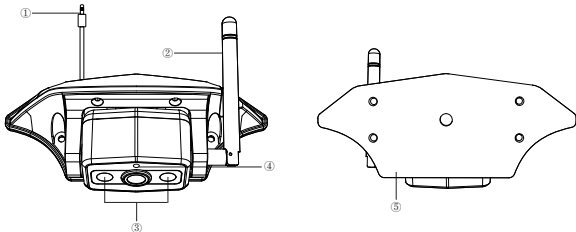
Monitor

- ① Antenna
- ② SD card slot
- ③ ▲ “Forward” button
- ④ M “Menu/Confirm/Return” button
- ⑤ ▼ “Back” button
- ⑥ 8pin plug extension cable
- ⑦ Stand



Camera

- ① Power cord
- ② Antenna
- ③ Infrared lamp
- ④ Photosensitive switch
- ⑤ Silicone pad



Monitor			
Screen size	7.2 inches	Working voltage	DC 12V
Working current	Max450mA (@12V)	Screen brightness	300cd/m ² (Typ.)
Video recording function	Support	Working frequency band	2.4GHz ISM
Transmission frame rate	30 FPS	Operating temperature	-20°C to +65°C

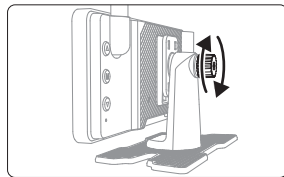
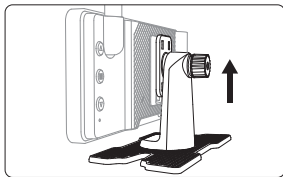
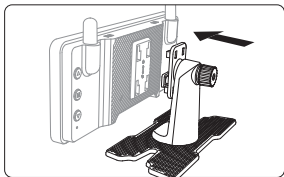
Camera			
Resolution	1920×1080Pixel	Minimum illumination	0Lux (fully automatic switching to infrared light fill light at night)
Working current	Max280mA(@12V)	Horizontal viewing angle	90°±5°
Working voltage	DC 12V	Vertical viewing angle	50°±5°
Working frequency band	2.4GHz ISM	Operating temperature	-20°C to +65°C

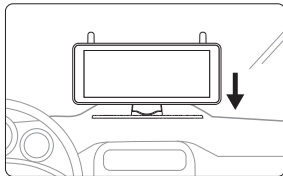
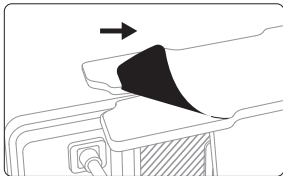
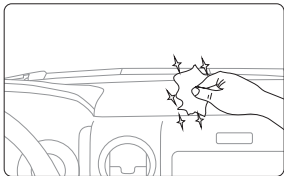
Product Operation

Monitor Installation

Note: The mounting bracket should be installed on a flat surface of the dashboard, otherwise the installation may be unsafe. Make sure the mounting position does not affect the driver's field of vision.

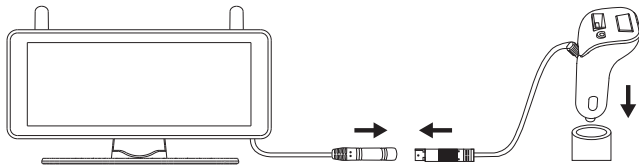
- ① Insert the bracket into the slot and push the bracket upward. Peel off the sticker from the bracket base and stick it to the dashboard. Press the base against the mounting surface for 15 seconds and let it stand for 2 hours to ensure that the sticker adheres firmly.





Note: To readjust the angle, re-tighten the rotation knob to lock the monitor.

② Connect the monitor cable with the car charger cable. After that plug the car charger into the car's cigarette lighter port.



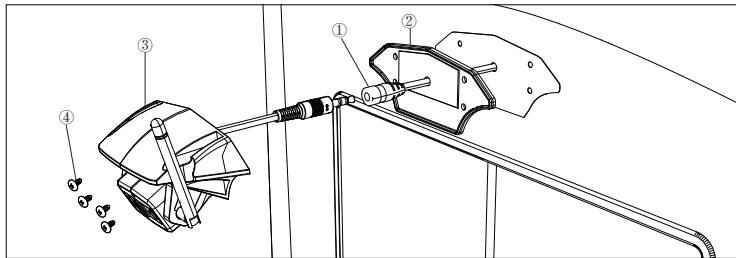
Note: To ensure good electrical contact, please confirm that the display cable is fully inserted into the charger cable without any gaps.

Kind Reminder: If the vehicle's power outlet is powered (i.e. still powered after start/pause), the charger should be removed from the power source before leaving the vehicle to prevent charging outside the vehicle.

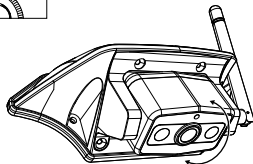
Camera Installation

Installation method 1 (Furrion RV only)

1. Connect the Furrion RV's power cord ① through the hole ② in the middle of the camera silicone gasket, and link the RV's power cord with the camera power cord
2. Align the camera set ③ with the silicone gasket and the screw holes of the RV and secure it to the RV with screws ④



3. Adjust the angle of the camera. The camera angle can be adjusted up and down



Display Interface Operation

1. Press (M) to enter menu mode.
2. Press (▲) and (▼) to advance forward or backward through the following menu items:

Menu Settings

Pair:

In the default initial state, if the display screen is not paired with a camera, or if the display screen fails to search for a paired camera after it is turned on, a red flashing identifier of the current camera channel will appear in the upper left corner. If no camera is successfully connected within 10 seconds, the display screen will automatically turn off and enter standby mode.

Cam1/Cam2 Pairing:

If the display needs to be re-paired with a new camera, please follow the steps below: In the default interface after the display is turned on, press the Menu (M) key to enter the display main menu interface, press the Up (▲) or Down (▼) key to select the "Pair" option, press the Menu (M) key to enter the "Cam1" and "Cam2" camera channel pairing submenu, press the Up (▲) or Down (▼) key to select the "Cam1" or "Cam2" option, and press the Menu (M) key again to enter the selected channel pairing interface. The indicator light flashes quickly as a prompt.



After the display screen enters the pairing interface, long press the camera button, and the two will search for pairing connection automatically; after the pairing is successful, the display indicator light goes out and displays the image of the current channel camera, with the default display effect under the Mirror + Upside setting. If the display screen fails to successfully establish a communication connection with the camera within 30S, the pairing timeout automatically exits the pairing mode and enters the standby mode; if pairing is still required, please repeat the above operation.

M/U Control:

Press the Menu (M) button on the display to enter the main menu interface, select the "M/U Control" option by pressing the Up (▲) or Down (▼) button, and press the Menu (M) button to enter the M/U Control submenu.

① Mirror/Normal Settings:

In the M/U Control menu, use the up (▲) or down (▼) key to select the Mirror/Normal option. The default parameter is Mirror. Use the up (▲) or down (▼) key to select the Mirror or Normal option. Press the Menu (M) key to confirm the setting parameters and exit the menu.

② Upside/Down Settings:

In the M/U Control menu, use the up (▲) or down (▼) key to select the Upside/ Down option. The default parameter for this option is Upside. Use the up (▲) or down (▼) key to select the Upside or Down option. Press the menu (M) key to confirm the setting parameters and exit the menu.

Record:

Press the Menu (M) button on the display to enter the main menu interface, select the "Record" option using the Up (▲) or Down (▼) button, and press the Menu (M) button to enter the submenu;

① Record

Use the up (▲) or down (▼) key to select the "Record" option, and press the menu (M) key to confirm and enter the Record submenu setting selection interface.

There are two selection states under the Record submenu: ON and OFF, corresponding to the opening or closing of the recording function. The default setting is ON. In the ON state, the recording state is automatically entered after the card is inserted. If it is manually set to OFF, the card will not be recorded. The software setting will automatically change to the ON state after the reset.

② OverWrite

Use the Up (▲) or Down (▼) key to select the "OverWrite" option, and press the Menu (M) key to confirm and enter the OverWrite submenu setting selection interface.

There are two selection states under the OverWrite submenu: ON and OFF, which correspond to turning on or off the TF card loop recording function. The default setting is ON. In the ON state, the earliest video file will be automatically overwritten when the video file in the TF card fills up the space. In the OFF state, the video file in the TF card will automatically stop recording when the video file in the TF card fills up the space.

③ Format

Use the up (▲) or down (▼) key to select the "Format" option, and press the menu (M) key to confirm and enter the Format submenu setting selection interface.

There are two selection states under the Format submenu: YES and NO, corresponding to the TF card formatting function selection. The default selection is NO. When YES is selected, all video files in the TF card will be cleared.

Settings:

Press the Menu (M) button on the display to enter the main menu interface, select the "Settings" option by pressing the Up (▲) or Down (▼) button, and press the Menu (M) button to enter the submenu.

① Brightness Settings

Press the Menu (M) button on the display to enter the main menu interface. Use the Up (▲) or Down (▼) button to select the "Brightness" option. Press the Menu (M) button to enter the submenu. Brightness has a 0-8 adjustment range and the default parameter is 4. Use the Up (▲) or Down (▼) button to increase or decrease the brightness. Press the Menu (M) button to confirm the setting parameters and exit the menu.

② Contrast Settings

Use the Up (▲) or Down (▼) key to select the "Contrast" option, and press the Menu (M) key to confirm and enter the contrast setting interface. Use the Up (▲) or Down (▼) key to increase or decrease the contrast, and press the Menu (M) key to confirm the setting parameters and exit the menu.

③ Date Time Settings

Use the up (▲) or down (▼) key to select the "Date Time" option, and press the menu (M) key to enter the time setting interface. Use the up (▲) or down (▼) key to select the parameter to be adjusted. Press the (M) key and the time will turn red. You can use the up (▲) or down (▼) key to adjust the time. Press the (M) key to confirm the adjustment. When the font turns white, the setting will be automatically saved and exited after 5 seconds without any operation.

④ Reset

Use the Up (▲) or Down (▼) key to select the Reset option, and press the Menu (M) key to restore the current channel to the default settings and exit the menu.

⑤ Support

Use the Up (▲) or Down (▼) key to select the Support option, and press the Menu (M) key to enter the Support interface. The QR code will be displayed for 10 seconds and then automatically exit. Press the Menu (M) key to return immediately. The phone scans the current QR code to report any abnormalities in the device.

Guide line:

Press the Menu (M) button on the display to enter the main menu interface. Use the Up (▲) or Down (▼) button to select the Guide line option. Press the Menu (M) button to confirm and enter the submenu. The default parameter of Guide line is ON. Use the Up (▲) or Down (▼) button to select the ON or OFF option. Press the Menu (M) button to confirm the setting parameter and exit the menu.

Preset Reversing Auxiliary Line Settings:

The default setting of the auxiliary line is 1. When you need to preset the auxiliary line setting, you need to set the Guide line to ON and press and hold the Menu (M) button on the display screen for 3 seconds to enter the 6 preset auxiliary line setting modes. At this time, the auxiliary line flashes to indicate that you can set it. The Up (▲) button changes from small to large, and the Down (▼) button changes from large to small. Press the Menu (M) button to confirm the setting parameters and exit the menu. If there is no setting operation after entering the setting mode or the setting is not confirmed after entering the setting mode, the setting parameters will be automatically saved and exit after 5 seconds.

Playback:

Press the Menu (M) button on the display to enter the main menu interface, use the Up (▲) or Down (▼) button to select the "Playback" option, and press the Menu (M) button to confirm entering the TF card folder. The total capacity and remaining capacity of the TF card are displayed above the TF card folder interface, and the folders in the TF card are displayed in the middle. The video files are saved in the folder. Use the Up (▲) or Down (▼) button to select the video date you want to view, and press the Menu (M) button to confirm entering to view the video file. If you need to

return to the monitoring screen, you can long press the Menu (M) button to return or select the ".." menu and short press the Menu (M) button to return. In the video date folder, use the Up (▲) or Down (▼) button to select the video you want to play back, and press the Menu (M) button to confirm playback. If you need to return to the previous directory, you can long press the Menu (M) button to return or select the ".." menu and short press the Menu (M) button to return.

Explanation: The format of the video file list 014725 represents the video of the device time 1 hour 47 minutes 25 seconds, -1 represents the video file of the channel 1 camera, -2 represents the video file of the channel 2 camera, the video format is AVI file, and 380KB represents the file size.

The name of the video file is displayed above the video playback interface. The two times displayed in the middle represent the current playback time and playback progress. Short press the (M) key to pause/continue playback, and long press the (M) key to return to the previous menu.

Switch Channels/Split Screen Mode/Split Screen Settings:

When the display screen is in normal communication connection with Cam1 and Cam2 and is not in the menu interface, short press the (▼) key on the display screen to switch the display channels between Cam1 and Cam2; the channel switching order is: channel 1 screen → press the (▼) key → enter channel 2 screen, channel 2 screen → press the (▼) key → enter split screen mode, split screen mode → press the (▼) key → enter channel 1 screen..., and switch in a cycle. When the camera of the current channel is disconnected, it will not automatically switch to another channel. When switching channels to display single channel mode, the Contrast, M/U Control, and Guide line parameters are only saved in the current channel when they are set, and the other channel is not affected by the current parameter setting (except Brightness, Record, Date Time, and Reset, which are unified settings, and the Date Time setting will not be affected by Reset in the future); in the split screen display mode, CAM1 and CAM2 must be selected first to set the Contrast, M/U Control, and Guide line parameters. The reversing line is not displayed in split screen mode.

Video Recording Mode:

① Normal recording

This unit supports 8G-64G (Class 10) TF cards. When a TF card is inserted, the upper right corner of the display will show the card icon and the REC icon, indicating that the card has been inserted and the recording mode has been automatically entered, as shown in Figure 48:

Note: A new TF card (including the card that comes with this unit after it has been formatted on other devices) needs to be formatted again on this unit before it is inserted into this unit, otherwise it may cause problems such as no recording or inability to return to the recording menu.

② Turn off recording

Press the menu (M) key to manually turn off the recording state by setting the Record switch in the submenu under the main menu Record. When the recording state is turned off, the REC icon will no longer be displayed.

Note: The software setting reset will automatically turn on the recording state

Software Version:

When the display screen is in the non-menu state, press and hold the (▲) button on the display screen for 3 seconds, and the display screen and the firmware version information of the connected Cam1 and Cam2 will be displayed in the upper middle position of the screen, and will automatically hide after 3 seconds. (**Note:** The above menu settings have a memory function, and the last setting parameters will be saved after power off and restart.)

Day Mode:

When the camera is in good lighting conditions during the day, the camera automatically switches to color mode and the RX screen displays the color image.

Night Mode:

When the ambient lighting conditions are very poor at night, the camera automatically switches to night mode and turns on the infrared light for fill light, and the RX screen displays a black and white picture.

Standby Mode:

When the camera is disconnected, the display screen will enter standby mode within 10 seconds. Short press any key or the car charger button to exit standby mode.

Warranty

Enjoy a 12-month warranty from the date of purchase. In addition, you can contact our service representative to get an additional 6-month free warranty. If we repair or replace the product, the repaired or replaced product will be warranted for the remainder of the original warranty period. If you are not satisfied with any quality issues with the product you purchased, please return it to its original condition within 30 days of receiving the item and we will be happy to provide a refund, replacement or exchange. Any items received more than 30 days will not be accepted for refund, but we will provide repair service during the warranty period.

Our warranty does not apply to the following situations:

1. The warranty has expired
2. Damage caused by human factors, negligence, misuse of the product
3. Products purchased from unauthorized channels
4. Unauthorized modification or alteration of product parts or components
5. Failure to provide a receipt or proof of purchase
6. Failure caused by phenomena such as fire or natural disasters

In order to quickly process your warranty claim, you will need:

1. A copy of your receipt showing the date of purchase.
2. The reason for the claim (description of the defect).

For more information or support, visit **www.auto-vox.com**.

Or, email a service representative at **service@auto-vox.com**.



www.auto-vox.com

Email: service@auto-vox.com



Ver-1.0

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement

To maintain compliance with FCC'S RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.